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Berkeley National Laboratory

Environment, Health & Safety  
Training Program

EHS 280 ~ Laser Safety

### Course Syllabus

<b>Subject Category:</b>	Occupational Safety	<b>Course Prerequisite:</b>	No
<b>Course Length:</b>	3 Hours	<b>Medical Approval:</b>	Class 3b or
<b>Delivery Mode:</b>	Class *		Class 4 Laser Users require a Medical
<b>Schedule:</b>	Monthly or by special request		Eye examination within 30 days.
<b>Location/Time:</b>	Bldg. 51-201		

**Course Purpose:** This course is designed to provide the LBNL laser user community with information on the hazards of laser radiation, along with control measures. In addition, laboratory/DOE policies are discussed.

#### Course Objectives:

- To assist laboratory scientist, guests and support staff with an understanding of the hazards present by laser radiation.
- To review protective equipment and control measures, administrative and engineering.

#### Course Instructional Materials:

- Projector – for PowerPoint presentation of instructional materials
- Two videos are used in this course
  - Laser Safety and Laser Hazards
  - High Powered Lasers in the Laboratory

**Instructor:** Ted de Castro and Gary Zeman

**Training Compliance Requirements:** Work Smart Standards (ANSI Z136.1)

**Course Handouts:** PowerPoint presentation

**Participant Evaluation:** Written evaluations regarding the effectiveness of the trainer, the training and the visual aids.

**Written Exam:** Yes

**Practical Exam:** No

**Retraining/Recertification:** Three year frequency

**WEB Resource:** PUB-3000, Chapter 16 lasers on web

\* This course is available via Computer Based Training (CBT). Contact the Laser Safety Officer (Ted de Castro) to take advantage of CBT.